

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 5KCR46JN0089
Catalog No: E258
1/3,1725/1425,TEFC,56,1/60/100-120/200-240
Totally Enclosed Fan Cooled (TEFC)



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REGAL

Nameplate Specifications

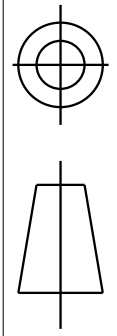
| | | | |
|------------------------|--------------------------|----------------------------|--------------------------|
| Output HP | 0.33 Hp | Output KW | 0.25 kW |
| Frequency | 60 Hz | Voltage | 100-120/200-240 V |
| Current | 4.0-3.8,2.0-1.9 A | Speed | 1725 rpm |
| Service Factor | 1.35 | Phase | 1 |
| Efficiency | 68 % | Duty | CONT |
| Insulation Class | B | KVA Code | R |
| Frame | 56 | Enclosure | TEFC |
| Overload Protector | N/R | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6203 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Yes |
| CE | N | | |

Technical Specifications

| | | | |
|-------------------|--|-----------------------|--------------------|
| Electrical Type | Capacitor Start Capacitor Run(CSCR) | Starting Method | SM |
| Poles | 4 | Rotation | CCW/CW |
| Mounting | WB | Motor Orientation | ANY |
| Drive End Bearing | BALL | Opp Drive End Bearing | BALL |
| Frame Material | Rolled Steel | Overall Length | 11.83 in |
| Frame Length | 6.55 in | Shaft Diameter | 0.63 in |
| Shaft Extension | 1.88 in | | |
| Outline Drawing | 52A107728P2 | Connection Diagram | 52A105381BC |

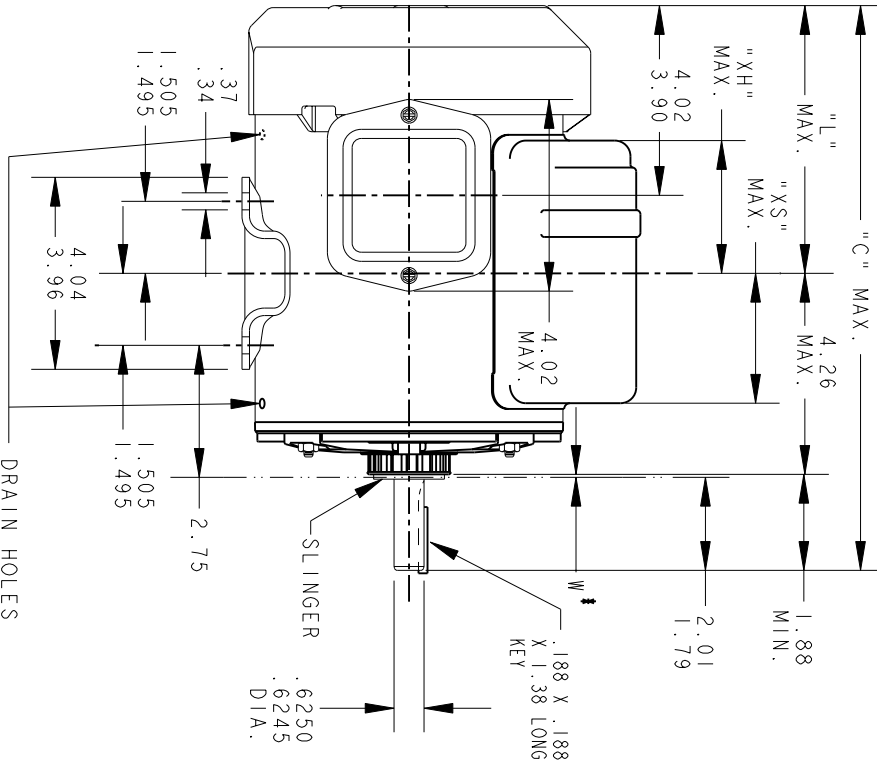
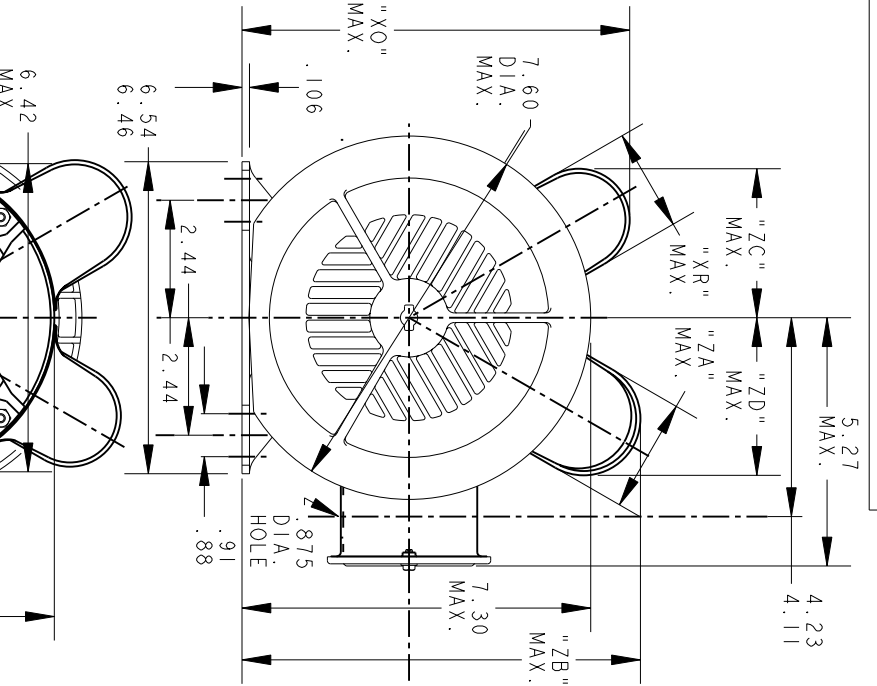
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THIRD ANGLE PROJECTION



REVISIONS

| REV. | DESCRIPTION | DATE | APPROVED |
|------|----------------------------------|----------|----------|
| 7 | CHG TO RBC FORMAT PER ISO5-11777 | 03/01/06 | SUDHA |



VIEW OF P.E.
END SHIELD

CONTINUED ON 52A109627

ALL DIMENSIONS ARE IN INCHES

| P | TYPE | GE SIZE | NEMA FR. | "C" | "L" | "XH" | "XO" | "XR" | "XS" | "ZA" | "ZB" | "ZC" | "ZD" | MIN. SHELL |
|---|------|---------|----------|-------|------|------|------|------|------|------|------|------|------|------------|
| 6 | KCR | 48 | 56 | 13.71 | 7.56 | 3.53 | 8.81 | 2.10 | 2.16 | 2.22 | 8.35 | 3.14 | 3.33 | 8.43 |
| 5 | KCR | 49 | 56 | 12.96 | 6.81 | 3.61 | 8.14 | 2.10 | 1.99 | 2.22 | 8.31 | 3.12 | 3.25 | 7.68 |
| 4 | KCR | 49 | 56 | 12.96 | 6.81 | 3.58 | 8.18 | 2.15 | 2.17 | 2.72 | 8.77 | 3.20 | 3.66 | 7.68 |
| 3 | KCR | 49 | 56 | 12.43 | 6.28 | 3.51 | 8.18 | 2.15 | 2.24 | 2.40 | 8.40 | 3.20 | 3.38 | 7.15 |
| 2 | KCR | 46 | 56 | 11.83 | 5.68 | 2.91 | 8.18 | 2.15 | 2.84 | 2.40 | 8.40 | 3.20 | 3.38 | 6.55 |
| 1 | KC | 46 | 56 | 11.83 | 5.68 | 2.91 | 8.18 | 2.15 | 2.84 | 2.40 | 8.40 | 3.20 | 3.38 | 6.55 |



REGAL-BELOMT CORPORATION

TITLE
GENERAL PURPOSE MOTOR TEFC - BALL BEARING
WELDED BASE FMF - 40 FRAME REDESIGN (5KC46NM0039Y)

| | | | | | | | | |
|-------------------------------|--------|---------|-------|-----|---------|--------|-----------|----------|
| FOR ADDITIONAL INFO REFER TO: | DETAIL | CHECKED | ENGRG | MF6 | QUALITY | ISSUED | M.D. PAPE | 10/18/95 |
| APPLIED PRACTICES | DETAIL | CHECKED | ENGRG | MF6 | QUALITY | ISSUED | M.D. PAPE | 10/18/95 |
| DIMENSIONS ARE IN INCHES | DETAIL | CHECKED | ENGRG | MF6 | QUALITY | ISSUED | M.D. PAPE | 10/18/95 |
| MATERIAL | DETAIL | CHECKED | ENGRG | MF6 | QUALITY | ISSUED | M.D. PAPE | 10/18/95 |
| SIGNATURES | | | | | | | DATE | |
| MODEL | | | | | | | M.D. PAPE | 09/06/91 |
| DETAIL | | | | | | | | |
| CHECKED | | | | | | | | |
| ENGRG | | | | | | | | |
| MF6 | | | | | | | | |
| QUALITY | | | | | | | | |
| ISSUED | | | | | | | M.D. PAPE | 10/18/95 |
| SOLID MODEL: 52A107728 | | | | | | | | |

52A107728

REV
7

SCALE: 0.250

REF. No.: .

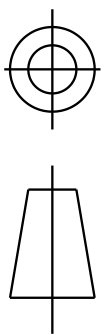
SHEET 1 of 1



THIRD ANGLE PROJECTION

REVISIONS

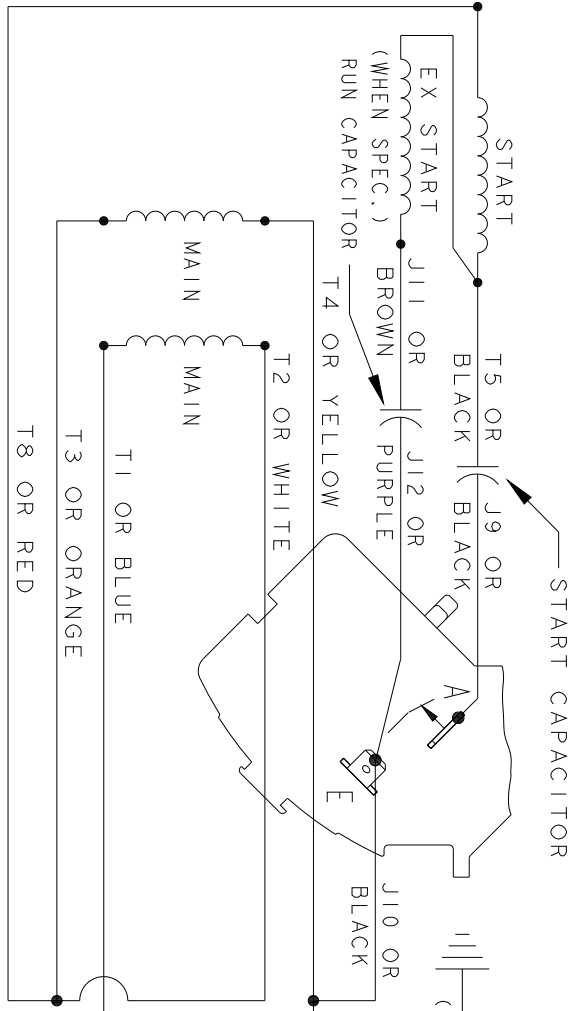
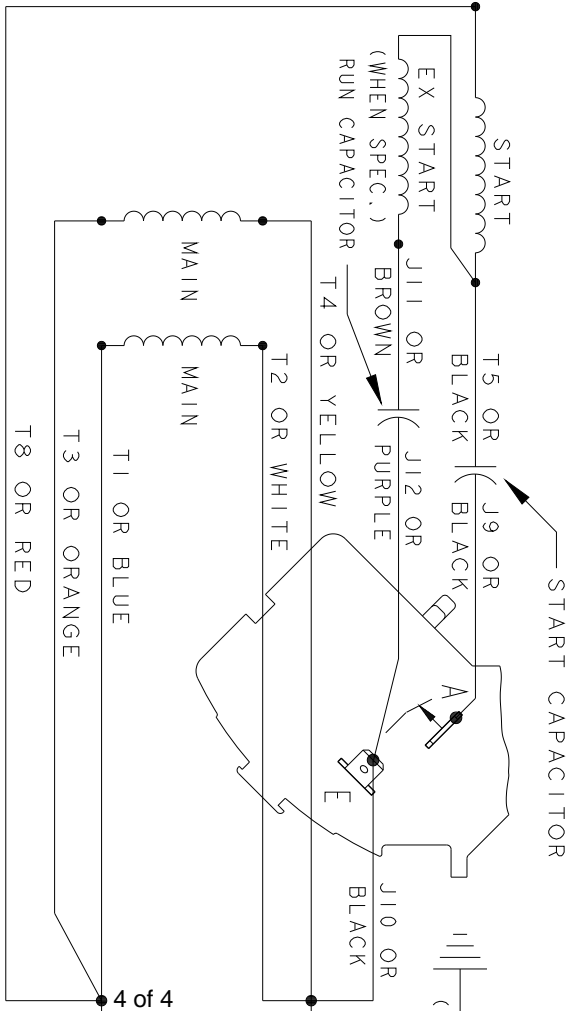
| REV. | DESCRIPTION |
|------|----------------|
| 3 | UPDATED FORMAT |



CCW/CW ROTATION - DUAL VOL
TYPE KCR

| REV | SHEET |
|-----|-------|
| 3 | 1 |

| SIZE | DRAWING NO. |
|------|-------------|
| | 52A105381BC |



NOTE#1 - TO REVERSE ROTATION, INTERCHANGE T8 RED AN
NOTE#2 - WHEN MORE THAN ONE CAPACITOR IS USED, CONN

SWITCH (H) - 11

REF. DIAG. - 119A93324

CONNECTION LABEL



RE

CONNECTION

| SIGNATURES | | DATE |
|--------------------------|-----------|-------------------------|
| MODEL | M.D. PAPE | 05/09/90 |
| DETAIL | | |
| CHECKED | | |
| ENGRG | | |
| MFG | | |
| QUALITY | | |
| ISSUED | M.D.P. | 05/09/90 |
| SOLID MODEL: 52A105381BC | | |
| TITLE | | SIZE DRAWING |
| | | A |
| | | SCALE: 1.000 REF. No: . |

| | |
|-------------------------------|--|
| FOR ADDITIONAL INFO REFER TO: | |
| APPLIED PRACTICES | |
| DIMENSIONS ARE IN INCHES | |
| MATERIAL | |

